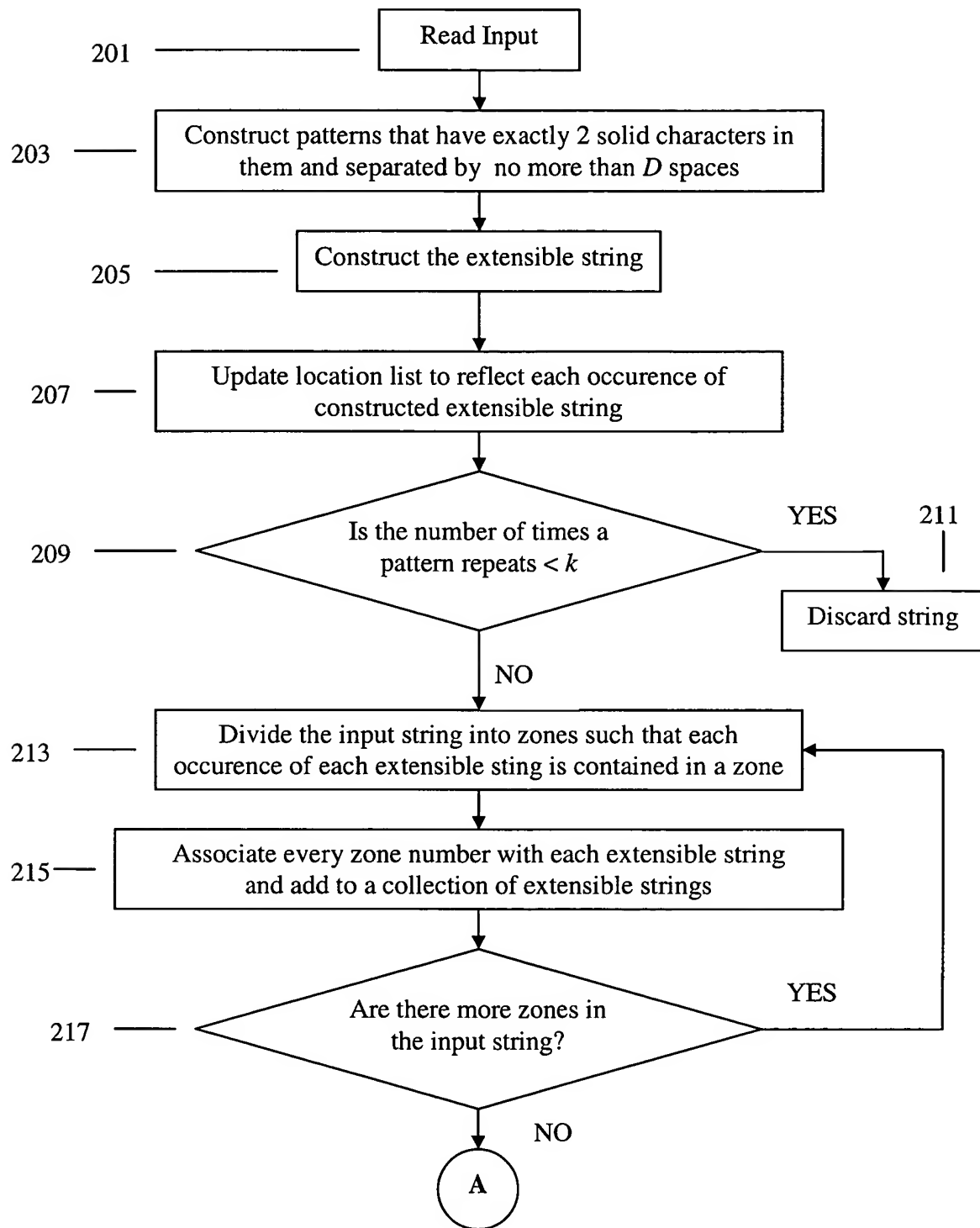


FIG. 1

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**FIG. 2a**

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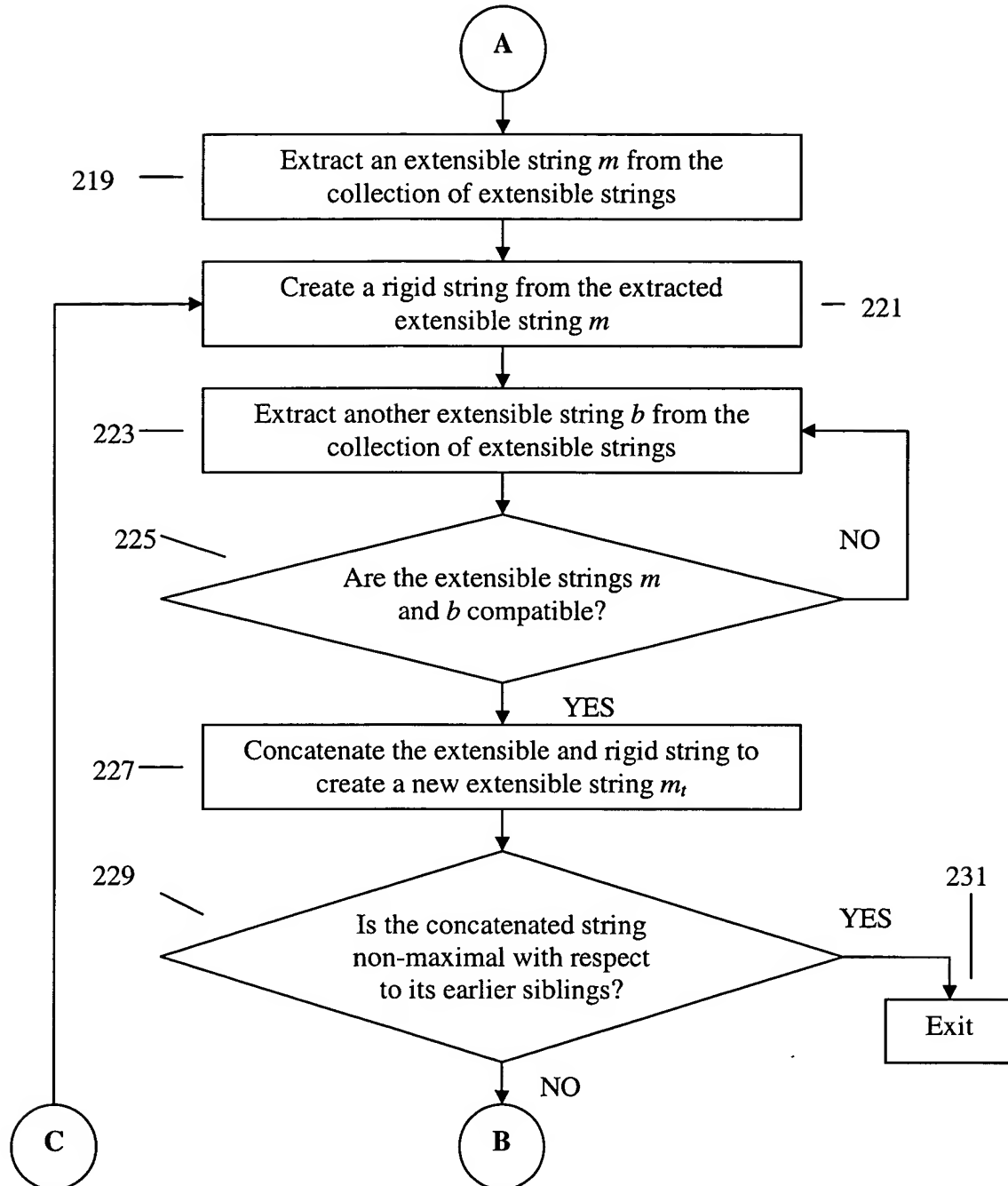


FIG 2b

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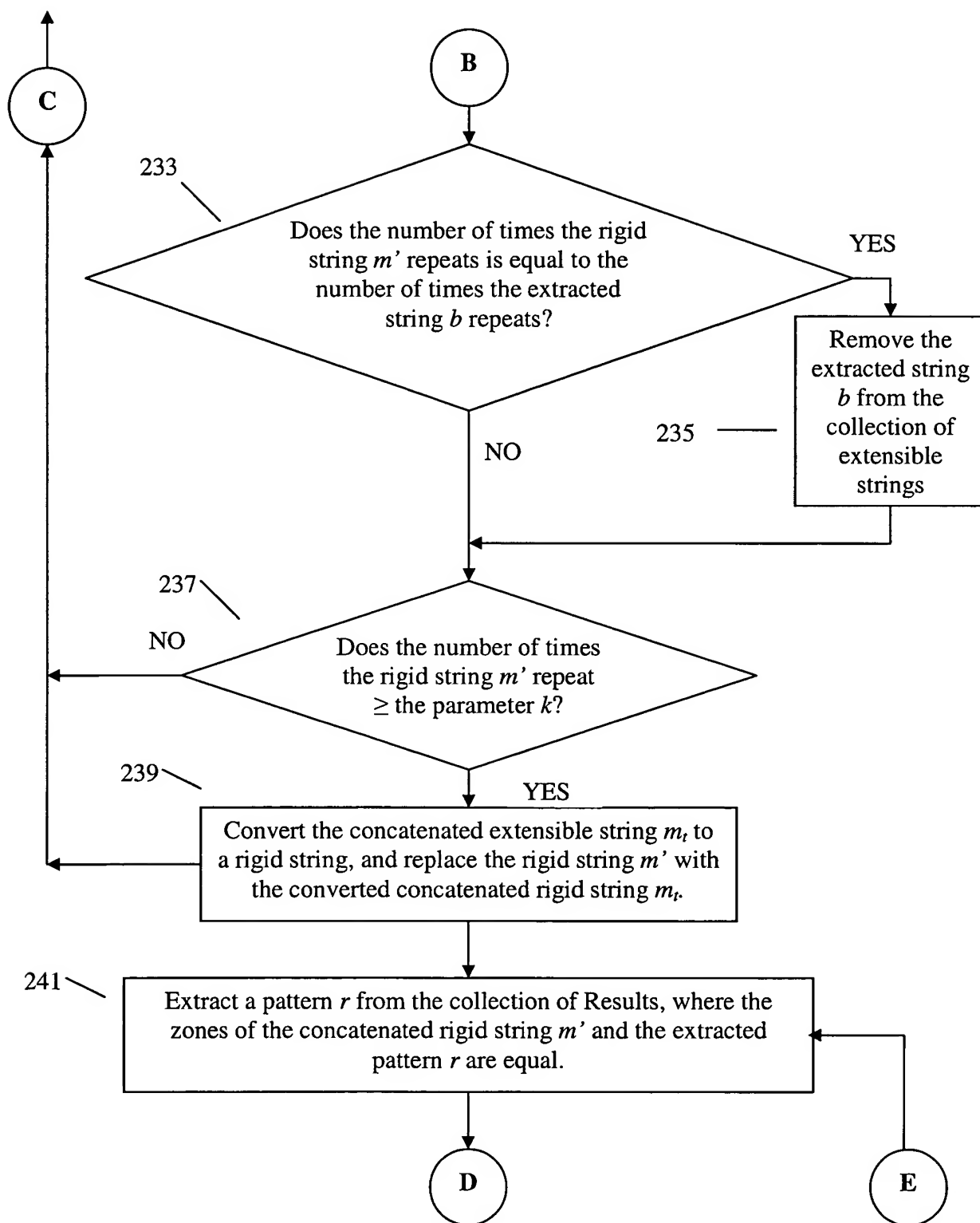
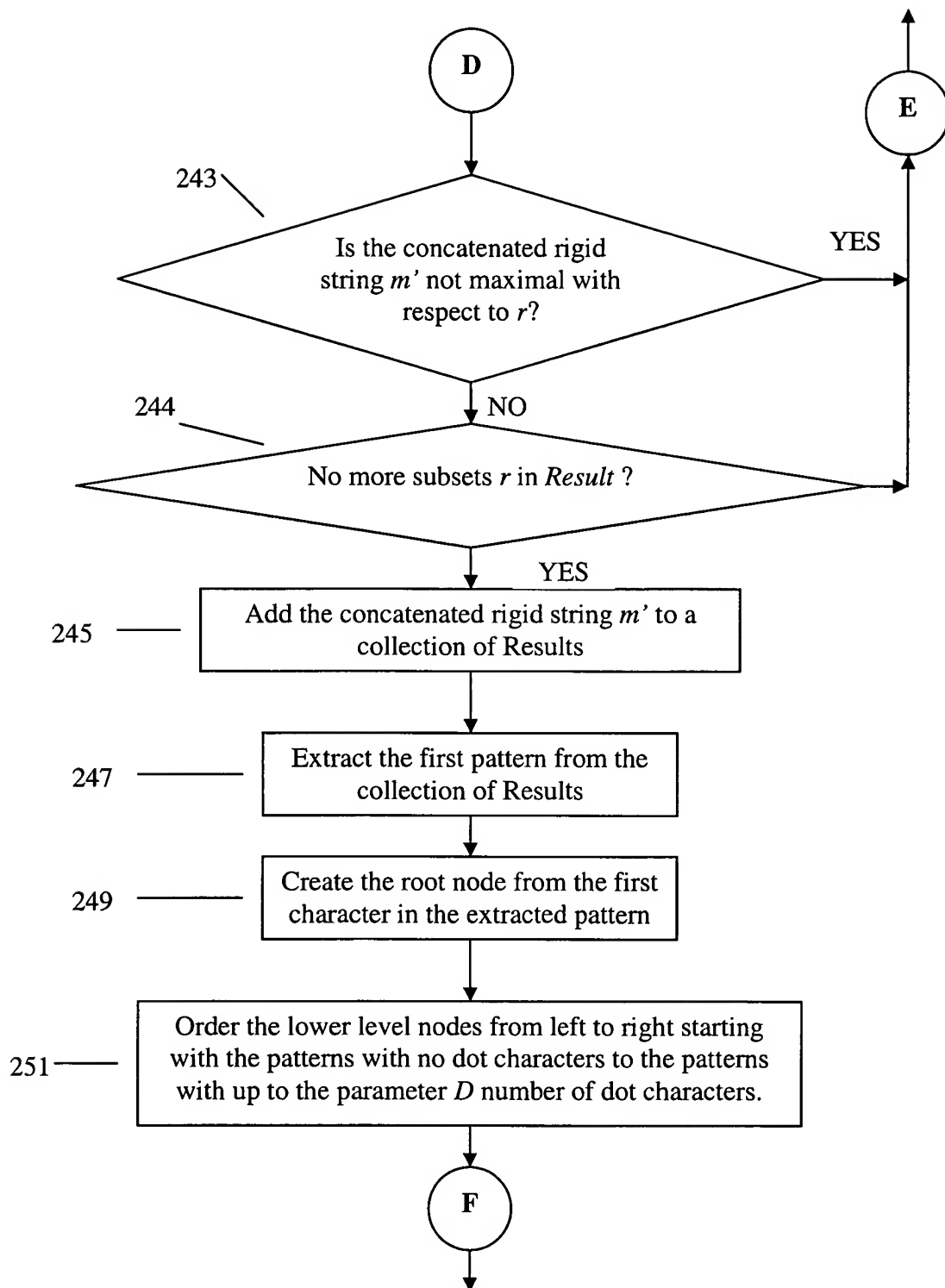


FIG. 2c

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**FIG. 2d**

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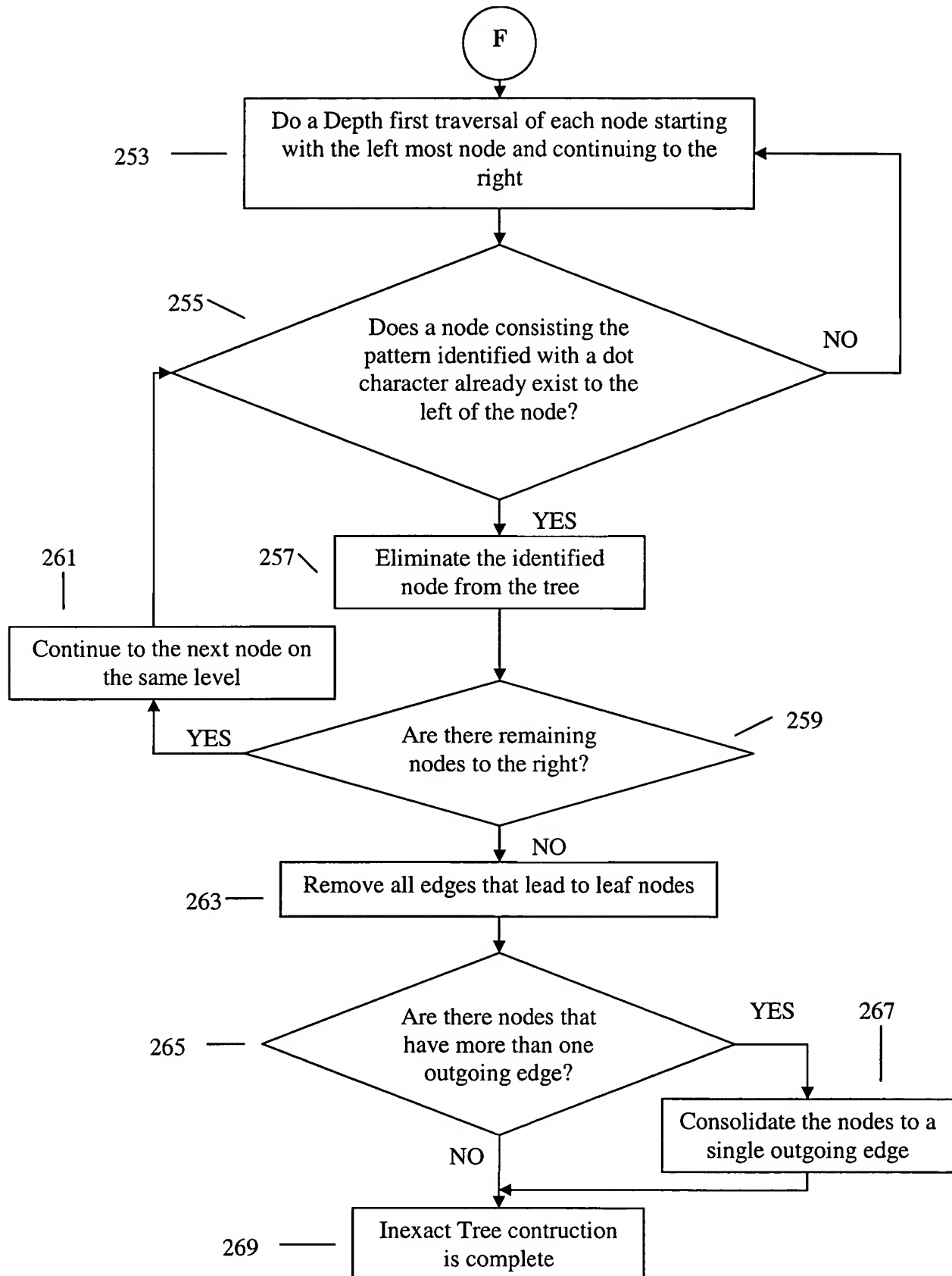
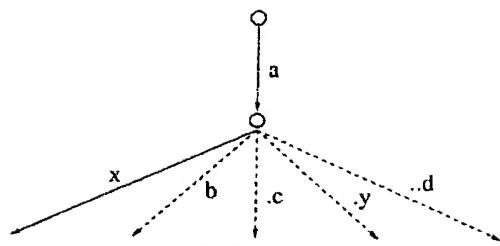
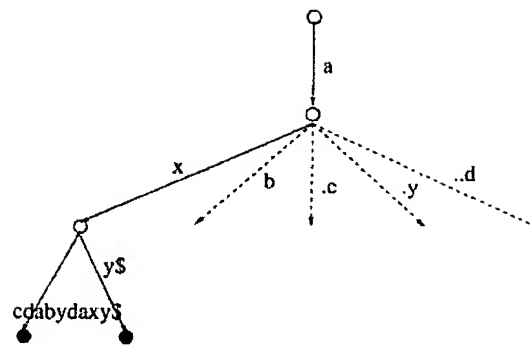
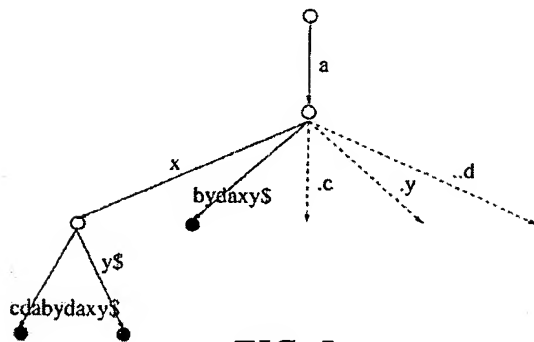
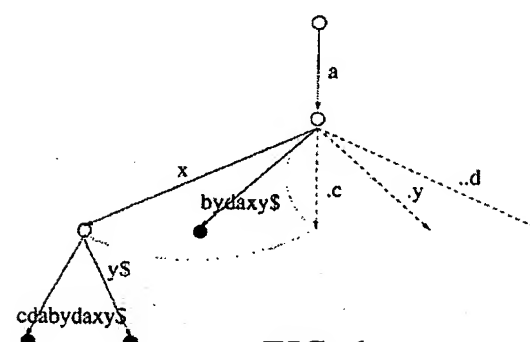
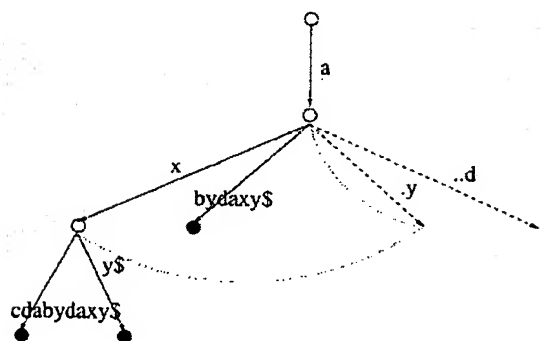
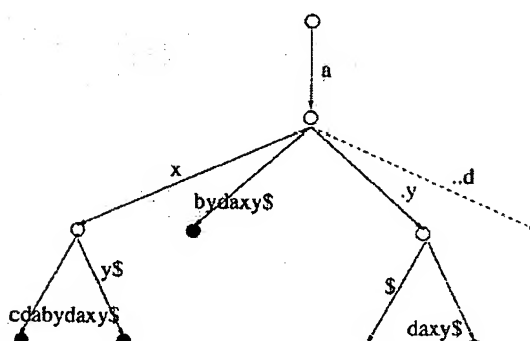


FIG. 2e

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**FIG. 3****FIG. 4****FIG. 5****FIG. 6****FIG. 7****FIG. 8**

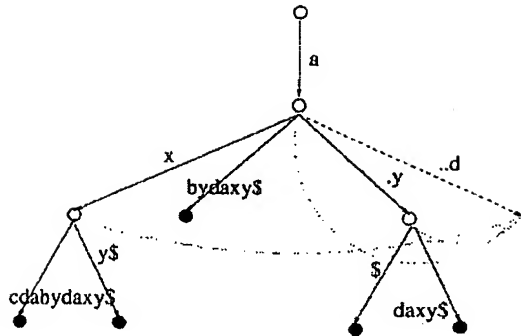


FIG. 9

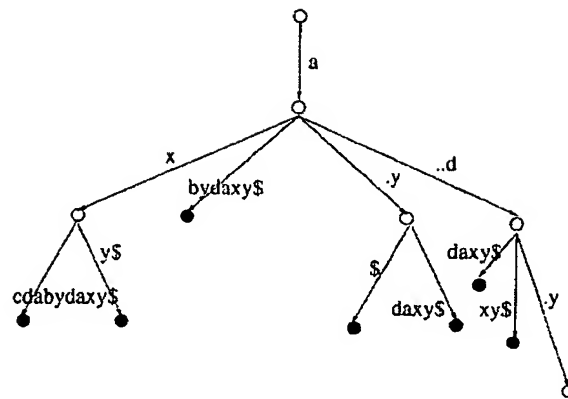


FIG. 10

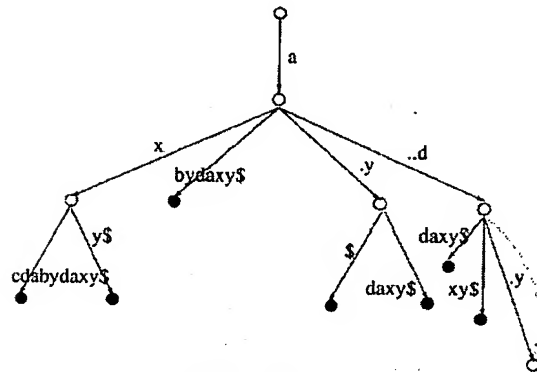


FIG. 11

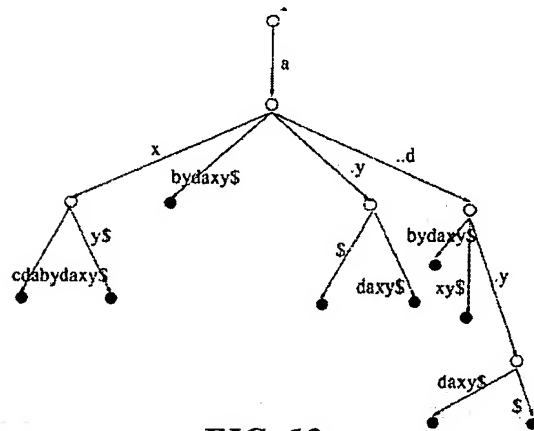


FIG. 12

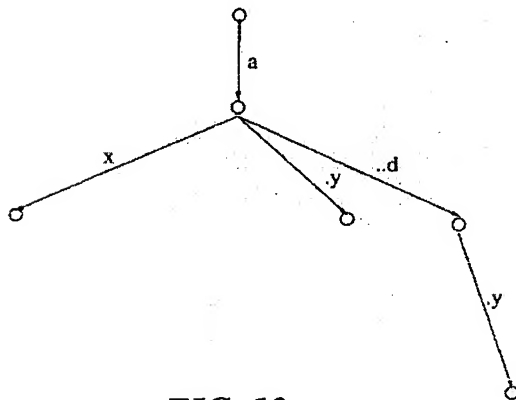


FIG. 13

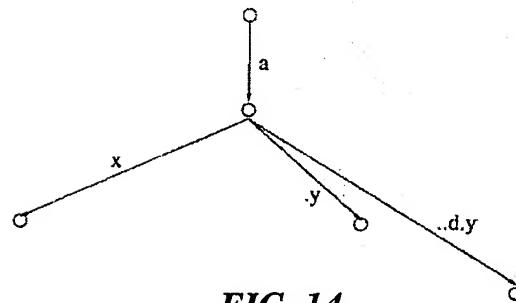


FIG. 14



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Freq	Seq	Motif	Occurrences
2	2	DVHG.....GMLCAGFLEGGTD	(5:85-106); (8:0-21);
2	2	H-L..ML-F-A-D.....V.E	(1:72-105); (8:2-34);
2	2	F-E.S.....V..I.....P..H-F...ML-F-D	(1:45-97); (5:59-106);
2	2	F-E.S.....V..I.....P..H-F...T-ML-F-D	(1:45-97); (5:59-106);
2	2	H-S-ML-F-A-D.....V.E	(1:72-105); (8:2-34);
2	2	ML-F-D-S-E	1:82-104); (8:10-34);
3	3	ML-F-D	(1:82-97); (5:95-106); (8:10-21);
2	2	C-L-R-T....T.S-MK-V-D.....V	(1:3-58); (2:60-95);
2	2	RC-H-T..L-E-ME-E-L.....L-Y.....T-D-T	(0:42-105); (2:3-72);
2	2	E.....F...E.S..LQEA-I.P.RC-H-T-L-L-G-T	(0:10-62); (5:51-105);
2	2	L-Q.....RC-P...G-LC...L-D	(4:66-101); (5:68-106);
2	2	G-S.LQ.....L-RC-P...G-LC...L-D	(4:66-101); (5:68-106);
2	2	K-K...S-N-L.....L-E-RC.....L-L	(0:2-53); (4:46-95);
2	2	E.....F.....E.S..LQE-P-RC-H-T-L-L-G-T	(0 :10-62) ; (5 :51-105) ;
2	2	RC...D.....Q....C-E	(4:0-19); (5:80-102);

**FIG. 15**

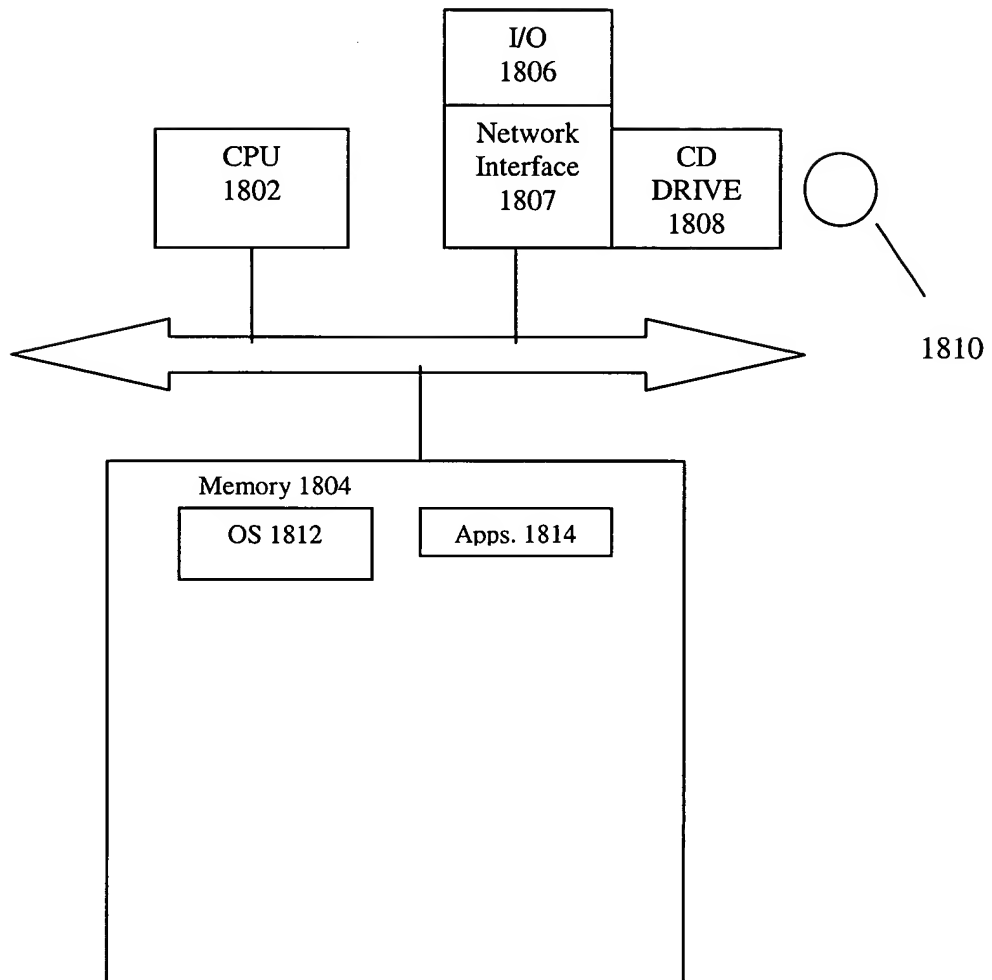
Freq	Seq	Motif
2	2	[FYM [DNSR] .[DNSR]G [DNSR]PF S .A E C HYE [FYWI] AA T F T
2	2	[DNSR] .M F D DV EL [FYWI]N.PG YT.V L[DNSR]V
2	2	[DNSR]M F D DV[DNSR][DNSR] .IS PG YT.V L[DNSR]V
2	2	[DNSR]M F D D V [DNSR]L S PG YT.V L[DNSR]V
2	2	V S PG LETS[DNSR][DNSR] G[DNSR] D Y.D Y
2	2	[DNSR]M F D D V [DNSR]LI S PG YT.V L[DNSR]V
2	2	S PG C T .DV [DNSR] R[DNSR] T .[DNSR][DNSR]
2	2	S PG [FYWI] L E T S
2	2	S PG [FYWI] ETS[DNSR][DNSR] G[DNSR] D Y.D Y
2	2	S PG [FYWT] D .GCR[DNSR] T[DNSR][DNSR]
2	2	S PG (FYWI) D G S .[DNSR][DNSR] G[DNSR] D Y.D Y
2	2	S PG [FYW~ D D G C .R[DNSR] T[DNSR][DNSR]
2	2	S PG [FYWI] D A .(FYWI) T PNSR]
3	2	S PG [FYWI] D
2	2	A P I L L[DNSR] H
2	2	A STYA LA C[DNSR].[FYWI][DNSR]E CA Q S VPLQ A

**FIG. 16**

[DNSR]....M-(4,6)F-(2,5)D-(4,6)D....V-(1,4)E.....L-(2,7)[FYWI].....N.PG-(1,2)YT.V-  
 (1,3)L...[DNSR]...V  
 [DNSR]....M-(4,6)F-(2,5)D-(4,6)D....V.....[DNSR][DNSR]...I.S-(5,7)PG- (1,2)YT.V-  
 (1,3)L...[DNSR]...V  
 [DNSR]....M-(4,6)F-(2,5)D-(4,6)D-(5)V-(7)[DNSRJ...L-(6,7)S-(5,7)PG-  
 (1,2)YT.V-(1,3)L...[DNSR]...V  
 V-(2,7)S-(3,5)PG-(1,4)L....E..T.....S.....[DNSR]....[DNSR]-(1,5)G..[DNSR]-  
 (1,6)D-(1,6)Y.D (1,2)Y  
 [DNSR]....M-(4,6)F-(2,5)D-(4,6)D-(5)V-(7)[DNSR]...L..I-(3,4)S-(5,7)PG-(1,2)YT.V-  
 (1,3)0L...[DNSR]...V  
 S-(3,5)PG-(1,2)C-(1,7)T....D....V-(2,4)[DNSR]-(4,7)R[DNSR]-(1,4)T  
 ....[DNSR]...[DNSR]  
 S-(5,7)PG-(1,2)[FYWI]-(1,6)L (4,5)E-(1,2)T-(1,6)S  
 S-(3,5)PG-(2,5)[FYWI]-(1,7)E..T.....S.....[DNSR]...[DNSR]-(1,5)G..[DNSR]- (1,6)D-  
 (1,6)Y.D (1,2)Y  
 S-(3,5)PG-(2,5)[FYWI]-(5,6)D-(1,4)D-(1,5)G-(3,4)C.....R[DNSR]-(1,4)T....[DNSR]...[DNSR]  
 S-(3,5)PG-(2,5)[FYWI]-(5,6)D-(3,7)G-(1,2)S.....[DNSR]...[DNSR]-  
 1,5)G ...[DNSR]-(1,6)D-(1,6)Y.D (1,2)Y  
 S-(3,5)PG-(2,5)[FYWI]-(5,6)D-(1,4)D-(1,5)G-(3,4)C.....R[DNSR]-(1,4)T ....[DNSR]...[DNSR]  
 S-(3,5,7)PG-(1, 2,5) [FYWI]-(1,5,6)D  
 A-(2,6)PI....L-(1,2)L.....[DNSR]-(3,4)H

**FIG. 17**

IP SYSTEM 1800



**FIG. 18**